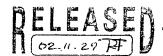
DART AEROSPACE LTD	<b>1</b> .	Work Order:	23232
Description: Ø2.750 Support	<b>4</b>	Part Number:	D2893-1
Dwg: D2893 Rev. A1		Qty:	1
		····	Page 1 of 1

H 06.09

Step	Location	Procedure	Ву	Date	Qty
1	DC	Issue Traveller. Blank size makes (2) D2893-1 Dwg not required	<del>(</del> <del>X</del> )	05.05.11	16
2	PG	Issue P/O: <u>100</u> ₹ <sup>03</sup> ) Description: D6104-005 Material: 17-4 PH SS (AMS 5643 OR AISI 630) as per Dwg D6104 Material release note required.  REV €	u	05.08.12	16
3	RG	Receive and Inspect for raw material dimensions.  Ensure material release note is attached.	cL	05/05/20	杨
4	MS	Turn blank for Haas as per Folio FA081	বভ	05/08/09	\$6
5	QC1	Inspect all dimensions as per Dwg D2893	5 &	05/08/09	16
6	MV	Machine as per Folio FA081	3.4	05/08/18	16
7	MV	Tumble & Deburr	5/Er	05/08/18	16
8	QC1	Inspect all dimensions to inspection sheet as per Dwg D2893	3.78	05/08/18	16
9	QC8	Inspect dimensions for second check	Tell.	508.18	16
10	FP	Powder Coat White (4.3.5.2) per QSI 005 4.3	M	05 08 24	16
11	QC3	Inspect Powder Coat	ol	05/08/21	16
12	ST	Identify and stock	PL	45/08/24	16.
13	AC	Cost / part / Z/,7 /	545	05-08-25	16
14	DC	Cost / part / Z/,7 / Close W/O / Z 3 ,5 8 Inspect Level 21	13	05/08/25	16

Rev	Date	Change	Revised By	Approved
. A	01.01.08	Preliminary Issue	EC	
В	01.07.19	Heat treat removed	NG	
· C	02.11.26	Reformat; Added P/O	KJ/RFRF	



## **Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES '								
DATE	STEP	PROCEDURÉ CHANGE By Date Qty	Approval Mfg / Design Mgr	Approval QC Inspector						
				V)						
				·						

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
		Description of NC		Corrective Action Section B	Verification	Approval	Approval	
DATE	STEP	Description of NC Section A	<b>Initial</b> Design Mgr	Action Description Sign & Date	Section-C	Design Mgr	QC Inspector	
		•						
4.			·					
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Part No:	PAR #: Fault Category:	NCR: Yes No DQA:	Date: <u>05/08/25</u>
NOTE: Date & initial all entries		QA: N/C Closed:	Date:

DART AEROSPACE LTD	Work Order:	23232
Description: Ø2.750 Support	Part Number:	D2893-1
Inspection Dwg: D2893 Rev. A1		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2893 Rev A1/DSK078 Rev A and record below:

		<u>'</u>		Re	corded Act	ual Dimensi	ons	]	•	]
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	Ву	Date	
				Lath	e Section	•				1
Α	2.707	2.712		2.709	12.71a	611.6	2.712		1.	1
В	4.946	4.966		4.446	4.946	4.947	4.946		-	1
С	3.064	3.084		3.069	3-074	3-074	3-074			]
D_	0.718	0.738		0,739	0.798	0.727	0.724			1
Ε	0.090	0.110		0,099	0.099	0.007	0-097	1		1
F	2.934	2.954		a40	2-944	2-944	2.997		3G 05/68	lia
G	2.166	2.186		2-176	2.175	11.6	2-171			1,0
Н	3.890	3.910		3.890	3,900	3-900	3-900			
1	0.914	0.934		0.924	0.920	0.493	0.934			]
J	0.022	0.042		0.033	0.032	0.032	0-032			1
K	0.109	0.129		0-113	0.117	0.117	0-117	1		
L						_			\$	
				HAA	S Section					74
AA	2.985	3.005		2-991	2996	2.947	2.996	' '	T ·	1
AB	0.440	0.460		-458	6451	0.450	0.450	ļ		1
AC .	0.125	0.160		145	0.148	0.144	0.142	_	-	ŀ
AD .	0.040	0.060		134/5	0.047	0.042	0043			
AE	0.188	0.193	DT8706	V	0./88	6-/88	0.188		,	1
AF	0.125	0.160		. 145	0.143	0.144	0.143			
AG	0.140	0.160	* ***	1.157	0.145	0145	0.145			i .
АН	1.360	1.400		1.384	1.384	1.384	1.379	<u> </u>		
AI	0.040	0.060	· · · · · · · · · · · · · · · · · · ·	053	0.050	0.645	0.050	İ		İ
AJ	1.190	1.230		1-230	1.718	1,218	1,223	<del> </del>		
AK	0.010	0.020		015	0.015	0015	6.015	:		
AL	0.053	0.073		-063	-063	.063	.063			
AM	0.240	0.260		250	0.250	0.250	0.250			
AN	2.518	2.538		12-5/8	2-528	2-528	2:529			
AO	84.39	90.39	DT8699	***				ļ	CARDT Fral	DIIVE
AP	0.257	0.262	DT8683		0.257	0.257	0.257		7000	
AQ	0.053	0.073		.063	.063	-063	-063			l
AR	•						-00			
AS										
	Acc	ept/Reje	ct				· · · · · · · · · · · · · · · · · · ·			·

		<b></b>
Measured by: 3 G	Audited by	/ B/L
Date: 05/09/09/05/08/17	Date: 5/08/01/	05.08.17
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Rev	Date	Change	Revised by	App#oved
Α	02.12.13	New Issue	KJ/RF	
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DART AEROSPACE LTD	Work Order:	
Description: Ø2.750 Support	Part Number:	D2893-1
Inspection Dwg: D2893 Rev. A1		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2893 Rev A1/DSK078 Rev A and record below:

•		· · · · · · · · · · · · · · · · · · ·	,	Re	corded Acti	ual Dimensi	ons		
Dim	Min	Max	Go/No Go Gauge	15	2	27	400	Ву	Date
Lathe Section									
Α	2.707	2.712		a.712	2.712	2.712	115.6		
В	4.946	4.966		4.993	4.453	4.952	4-453		
С	3.064	3.084		3-074	3.675	3.675	3-076		
D	0.718	0.738		0 .727	0.724	6.728	0.738		
E	0.090	0.110		0.049	0.098	0.099	0.098		
F	2.934	2.954		3.944	3.946	2.944	2-944		
G	2.166	2.186		171.6	9.172	2.173	7.172		
Н	3.890	3.910		3.900	3.400	3.900	3 -900		
I	0.914	0.934		0.920	0,025	0.935	0.924		
J	0.022	0.042		6.032	0.032	6.033	0-032		
K	0.109	0.129		0.117	0.116	0.118	0.118		
L			,						
				HAAS	S Section				
AA	2.985	3.005		2.995	2.496	2999	2.997	T	
AB	0.440	0.460		0.6450	0.450	2.6.20 -	\$ 622.00		
AC	0.125	0.160		0.188	0.148	s 149	-150*		
AD	0.040	0.060		0.042	0.092	-043	-042		i
AE	0.188	0.193	DT8706	o. 188	0.182			3	
AF	0.125	0.160		0.145	0-145	-145	- 145		
AG	0.140	0.160		0.147	0.147	.145	.143		
AH	1.360	1.400		1.378	1.37-5	1.383	1.383		
Al	0.040	0.060		0.050	0.050	-049	.046		
AJ	1.190	1.230		1.224	1.221	1-225	1.223	<u> </u>	
AK	0.010	0.020		0.015	0.015	0.05	0.015		
AL	0.053	0.073		0.063	0.063	0.063	200.0		
AM	0.240	0.260		0.750	0.250	0.250	0-250		
AN	2.518	2.538		2.850	2.528	2.527	2.258		
AO	84.39	90.39	DT8699				/	CANPOL	P.N DT8689
AP	0.257	0.262	DT8683	0.257	0.257				
AQ	, 0.053	0.073		0.063	0.063	0.063	0.063		
AR									
· AS						: •			
	Acc	ept/Reje	ct				- '		<u> </u>

Measured by: 5.6/ 7.4	Audited by
Date: 05/08/11 /05.08~/8	Date: es/u8/w/
	• • • • • • • • • • • • • • • • • • • •

Rev	Date	Change	Revised by	App∦oved
Α	02.12.13	New Issue	KJ/RF R	



#### Job Costing Report

Dart Aerospace Ltd. Hawkesbury

May 09, 2005 02:16 pm

Work Order No : 0023232

Project Name : D2893-1 Project For : WK523

Work Order Type : Main Main WO Number :

House Part Number: D2893-1

Description : Support

Manufactured : Yes

Amount Req'd: 14(6

Amount Done : 0
Start Date : 05-09-05

Est Finish Date : 05-09-05

Act Finish Date : Drawings Reqd : No

Ok for Approval : Approval Rec'd :

Department Code:

Burden Flags : NNNNNNN
WO Status : Open

Invoice State : Not Invoiced

Invoice Date

Invoice Number :

Invoice Amount: 0.00

Order Entry No:

OE Value : 0.00

Est Mark Up : 0.000% Actual Mark Up : 0.000%

\$0 Posted to Finished Goods

		Estimated	Actual	Var. %	Posted	To Post
=======================================	===		=========	=======	==========	=======================================
Material Cost	:	0.00	0.00	0.00	0.00	0.00
Engineering Hours	:	0.00	0.00	0.00		
Engineering Cost	:	0.00	0.00	0.00	0.00	0.00
Production Hours	:	0.00	0.00	0.00		
Production Cost	:	0.00	0.00	0.00	0.00	0.00
Packaging Hours	:	0.00	0.00	0.00		
Packaging Cost	:	0.00	0.00	0.00	0.00	0.00
OverHead Hours	:	0.00	0.00	0.00		
OverHead Cost	:	0.00	0.00	0.00	0.00	0.00
CNC Hours	:	0.00	0.00	0.00		
CNC	:	0.00	0.00	0.00	0.00	0.00
Misc. Hours	:	0.00	0.00	0.00		
Misc.	:	0.00	0.00	0.00	0.00	0.00
		========	========	======		
Burden	:	0.00	0.00	0.00		
		========	========	======		
Total Cost	:	0.00	0.00	0.00		
Mark up	:	0.000	0.000			
Selling Cost	:	0.00	0.00			
_						

Estimated Actual Labour Hrs/Amount Done : 0.00 0.00 Profits/(Loss) : 0.00 0.00



#### **VALBRUNA**

SLATER STAINLESS, INC.

SLATER STAINLESS, INC. 2400 Taylor Street West, P.O. Box 630 Fort Wayne, Indiana USA 46801

### **Product Certification Report**

Report Number: 4070640

Phone: 260-434-2892 Fax: 260-434-2905	26, 2005 Page 1 of 1
Order I.D. Order Date Commodity Code	
0500365 001 2/22/05 408860-5	
Dim 1 Dim 2 Dim 3 Heat I.O. Customer I D. Customer Purchas	se Order
4.0000 .0000 .0000 239564 001153 CC5740	Court of Court
Product Shape Product Surface	Customer Grade
Rounds HR & Rough Turned	630
Length (inches)  Bill of Lading # Weight	
132.000 Min. 156.000 Max.   401167	
GL: 6555 E DAVISON Cold 31 IR	RUNA CORP. RON HORSE ROAD AND, NJ 07436
Lifts: 0034	
AISI 630 CONDITION A	ASTMA 564-02
ASMESA 564 01 ED 2002 ADD AMS 2303E	AMS 5643Q
CHEMICAL ANALYSIS	
C Mn P S Si Cr Ni Mo	Cu N Cb Ta Cb+Ta
.040 .61 .024 .020 .50 15.63 4.63 .10 3	3.50 .04 .31 .001 .31
НВ	
363	Date 5-18-05
TENSILE PROPERTIES	Cust Von Arrospher
CAPABILITY -	W/O# /33871
HB TS (PSI) .2%YS (PSI) %EL(2") %RA AGE(F)	Qnty. 372.00 Pcs.
436 211000 186200 14.3 48.2 900	
MAGNETIC PARTICLE TEST	Size Special Instructions
FREQ SEV	Part # [ ] Alloy [ ] Heat/l of
AVG .00 .00	Part # Alloy Heat/Lot
MACRO ASTM E340/E381	These test waste are for material
MACRO	These test woorts are for material shipped
OK	on your POH 2008035 S OF538
OK	From TMX Copper & Brass Sales
OK	1 - 1 en h
PERCENT FERRITE	Quality Representative
% FERRITE	- Ast Fo: QA Dept
AVG .3	Customér Part #
Free of mercury and low melting alloy contamination.	Time transfer raping and the second s
Maxx stainless.	t
Chemical testing performed to one or several of the following ASTM me	thods: E415, E572, E1019, E1085, E1086
Material melted in Italy, manufactured in the United States.	
Material conforms to listed specifications.	• • •
Quality system is compliant with ISO 9001:2000, Produced in accordance	e with EN 10204 3.1B.
Source alarous to combitment with 100 SOATTERON 11 10000 on a good onto	T. L. C.

Results relate only to the items tested. Certification shall not be reproduced except in full, without written approval of Valbruna Stainless Inc. The recording of false, fictitious, or fraudulent statements on this document may be punished as a felony under federal statutes, including Federal law, Title 18, Chapter 47. Consult material safety data sheet (MSDS) for hazard info. I hereby certify that the reported figures are correct as contained in the records of the corporation.

Manager Laboratory Services

Dennis Hackett

DART AEROSPACE LTD	Work Order:	23232
Description: \$ 2.788 Suppor	Part Number:	D2893-1
Inspection Dwg: 7893 Rev: 41		Page 1 of 1

# FIRST ARTICLE INSPECTION CHECKLIST

First Article	Prototype
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Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
2.995	t 0010	2.99/		5		
0.450	20.010	0.458		*		
0.125/0.160		0-145				
0.050	+0016	0-092				
\$.188.	10-001	0.188				
0.175/0.160		0.145				
0.150	-0.010	0443				
1.380 to	+8-0 20	1.384		199	Ç.	
01050	to010	0.053				
1.716	±0.020	1.230	~			PARET SLIGHTLY PINCHES CROSSTUBE
0.010/0.02	ŏ	<b>6</b> :45		•		PINCHES CROSS
0.063	t s.010	0.063				IT IS STILL AS
L 0.250	t 0.00	0.250				GOOD OR BETTER
2.528	t 0.010	2518				THAN EASTING
0.257	-0-00-0 +0-001	0.257				EARLY CHA
0.063	+00ps	0.063				DZ 893-1 SUPPORTS.
18.7						OK FOR THIS
5.5						BATCH, FAQU
						HAVE ENGINEERING
						FIX SURPACE
						BEFORE NEXT BATCH
					<del></del>	

Measured by: Audited by: 156 Prototype Approval: Pate: 05.08.16

	Rev	Date	Change	Revised by	Approved
l	A		New Issue	KJ/RF	
					<u> </u>